

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/831,690B
Source: JFWP
Date Processed by STIC: 1-1806

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:56

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

```

3 <110> APPLICANT: Carson, Monica J
4     Sutcliffe, J. Gregor
5     Almazan, Melissa T.
6     Tobal, Gabriela M.
8 <120> TITLE OF INVENTION: Gene Expression Modulated By Activation of Microglia Or
9     Macrophages
11 <130> FILE REFERENCE: 98,634-A
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/831,690B
C--> 13 <141> CURRENT FILING DATE: 2001-05-11
13 <150> PRIOR APPLICATION NUMBER: US 60/108,259
14 <151> PRIOR FILING DATE: 1998-11-12
16 <160> NUMBER OF SEQ ID NOS: 76
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 267
22 <212> TYPE: DNA
23 <213> ORGANISM: Mus musculus
25 <400> SEQUENCE: 1
26 ccggaggtac gtgagagaat tctgagtggg aggagaacta cagcttaagt ccagccagga      60
28 gtcaatccag cctgcatgct ctcccctcct ccaccaagac ttctgtttct gctacttttg      120
30 cttcagaggc cgccctctgcc tcaagcccac ctatcctggg agcaggaata ctggtgtgta      180
32 catctgtgtt gagtggggaa gacagctgga tggttgtctg tcaacttctg cactttggac      240
34 attaaacatt ctccacacac cgaaaaa                                267
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 331
39 <212> TYPE: DNA
40 <213> ORGANISM: Mus musculus
42 <400> SEQUENCE: 2
43 ccggacaagt gtggccacag gaaaatgact ctgccaccag ttctggcccc cacagtgact      60
45 gaaggcccca ggaaagaaga caggagtctg tgaagaatgt tttcaaaatg gtgcaataat      120
47 tgacttattt ccctcgggtc ccactagag gatcgaggct agatgccttg tgagaaatgc      180
49 ctttgagttt actgtcccca acgtttttat aatattgtat ataagactat gaccgattgt      240
51 atttctataa gggagacgat ggcacctctg ccgcctgctt cgtctttata cgactttttt      300
53 ttaattaaag ttttggatct ttggagaaaa a                                331
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 297
58 <212> TYPE: DNA
59 <213> ORGANISM: Mus musculus
61 <400> SEQUENCE: 3
62 ccggacgtga ctgtgggtgt tggctggggc attaaaactc atcatcgcca cccatctctg      60
64 tctctcgtca ccctgatctc ccgcacggt tgtgtccctg gtctggaaca ttagtttttt      120
66 taaggcaact gtggccaata tttatatcat gacatacaaa tggatttacg tatttgactg      180
68 aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt      240

```

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:56

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

```

70 cttagtctgt tctgttttat ttaaaaaata aaattgctga tcaagacaga ataaaaa      297
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 200
75 <212> TYPE: DNA
76 <213> ORGANISM: Mus musculus
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (22)..(22)
82 <223> OTHER INFORMATION: N stands for A, C, G or T
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (172)..(172)
87 <223> OTHER INFORMATION: N stands for A, C, G or T
89 <400> SEQUENCE: 4
W--> 90 ccggtataca acatccactt tntatttgcg ggcaatattg aagaattcct tttgtttgtg      60
92 taaactctaa tttctatcaa ggtatcatgg gtttttaaaa ttagtatttc attacaaatg      120
94 tctcgatggt ggttaactaa tttttgccag gaccattatt gatcaaggaa anaaattcaa      180
96 cagccatttg agaataaaaa
99 <210> SEQ ID NO: 5
100 <211> LENGTH: 218
101 <212> TYPE: DNA
102 <213> ORGANISM: Mus musculus
104 <400> SEQUENCE: 5
105 ccggtagcct gtcagctcca tgctaccctg acctgcaact cctcacttcc aactgagaa      60
107 taataatttg aatgtaacct tgattgttat catcttgacc tagggctgat ttcttgtaa      120
109 tttcatggat tgagaatgct tagaggtttt gtttgtttgt ttgattgatt tgtttttttg      180
111 aagaaataaa tgatagatga ataaacttcc aggaaaaa      218
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 211
116 <212> TYPE: DNA
117 <213> ORGANISM: Mus musculus
119 <400> SEQUENCE: 6
120 ccggtttaca gctaacatta ctgcaggaca cttattaata cacctaactg gaggagctac      60
122 tctagtatta ataaatatta gcccaccaac agctaccatt acatttatta ttttacttct      120
124 actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccttcctagt      180
126 aagcctatat ctgcatgata atacgtaaaa a
129 <210> SEQ ID NO: 7
130 <211> LENGTH: 229
131 <212> TYPE: DNA
132 <213> ORGANISM: Mus musculus
135 <220> FEATURE:
136 <221> NAME/KEY: misc_feature
137 <222> LOCATION: (220)..(220)
138 <223> OTHER INFORMATION: N stands for A, C, G or T
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (228)..(228)
143 <223> OTHER INFORMATION: N stands for A, C, G or T
145 <400> SEQUENCE: 7

```

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:56

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

```

146 ccggttttgggt catccaacag rgaagaaaatg aatatgaaat tccagcaata agaaatgaac      60
148 aaagatttggga gctgaagacc ttaagtgttt gctttttgcc ctctgaccag ataacattag      120
150 aactatctgc attatctatg cagcatgggg tttttattat ttttacctaa agatgtctct      180
W--> 152 ttttggtaat gacaaacgtg ttttttaaga aaaaaacccn aaaaaaanc      229
155 <210> SEQ ID NO: 8
156 <211> LENGTH: 213
157 <212> TYPE: DNA
158 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 8
161 ccggttggca cagccaksra ctgacactgg aataggaatg tgatgggctg cgcaccctct      60
163 gtaaagtgtg gaagtgtttg aacttgtgtt tgtatctaata gtcgatcccc ttaggtgggt      120
165 gtactataat tcatTTTTgt tgtaaaacttc agcctaagat aaatgtacat ctgcttttgt      180
167 atgcactcat taaacattgt aacagaccaa aaa      213
170 <210> SEQ ID NO: 9
171 <211> LENGTH: 355
172 <212> TYPE: DNA
173 <213> ORGANISM: Mus musculus
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (328)..(328)
179 <223> OTHER INFORMATION: N stands for A, C, G or T
181 <400> SEQUENCE: 9
182 ccggtgagcc tatggactca atgtgaagaa ctgtggagcc cagtccaccc ctctacacca      60
184 ggaccctgtc cctgcactgc tcggtcttcc cttccgcagc caaccttgct ggttcagcca      120
186 aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac      180
188 ttccacactg agaataataa tttgaatgta accttgattg ttatcatctt gacctaaggc      240
190 tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgtctgt ttgtttgatt      300
W--> 192 gatttgtttt tttgaagaaa taaatganag atgaataaac tcccaaaatg aaaaa      355
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 360
197 <212> TYPE: DNA
198 <213> ORGANISM: Mus musculus
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (84)..(84)
204 <223> OTHER INFORMATION: N stands for A, C, G or T
206 <400> SEQUENCE: 10
207 ccggtgtgcc gcaacgacat tgcttgaac tttgagaagt tcctgggtggg ccccgacggt      60
W--> 209 gttcccggtgc gcaggtagag tcgncgcttt cgtaccatcg acatcgaacc tgacatagaa      120
211 accctgtctg cccagcagtc tggcaactcc taaggcggcc ctggcattgg cttggtgatt      180
213 actggctgca ctctgggggg cggttcttcc atgatggtgt ttctctaaa tttgcacgga      240
215 gaaacacctg atttccagga aaatcccctc agatgggcgc tgggtcccatc cattcccgat      300
217 gcctttccac ctaatgaaag gtggtttcac tactaagaat aaagtgtctga atgtcaaaaa      360
220 <210> SEQ ID NO: 11
221 <211> LENGTH: 361
222 <212> TYPE: DNA
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 11
226 ccggtcatgt attgtatcca tgcattatat tcagataacc acaacagctg ctaatgcttg      60

```

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:56

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

```

228 attatattct cagggactgc atgcaatgta acattactgg ttggttctgc caattttcct      120
230 cttggtatatt ataaaggaaa accaaaactc ttggtcagag acaatatgca aaacagagat      180
232 gtcaagtact atgtccaaat actgtgaaat atagtggaga ataggtaaca aatttatcaa      240
234 tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagcctttg      300
236 tctctctctt catccagact tttgccttca aatacaagca tgcgctatct tctgggaaaa      360
238 a                                                                    361
241 <210> SEQ ID NO: 12
242 <211> LENGTH: 245
243 <212> TYPE: DNA
244 <213> ORGANISM: Mus musculus
246 <400> SEQUENCE: 12
247 ccggtcttaa cagaggactc cttacactcc taactgtgat cacagacaag aaataccttc      60
249 cgaagtgtct ttagatcttt tttgatgaat gttttatgct tgcattttaa cctgaaatgt      120
251 gtgagcagaa tgagacaatc tttacaatca gaattggaga gtgttacaat tgaatggcct      180
253 tgtgctgtag caataaaatg accaagtgcg atgactttta taaaatcatc cttcaaacgc      240
255 aaaaaa                                                                245
258 <210> SEQ ID NO: 13
259 <211> LENGTH: 264
260 <212> TYPE: DNA
261 <213> ORGANISM: Mus musculus
263 <400> SEQUENCE: 13
264 ccggtcgggt tgcccagatc gkacagaaag gagggcagta ggccatacct tagaatgaca      60
266 gaagaccaa agacttggtt ccaagcagat tgaatggcca gtggtgaaag acctgccaac      120
268 ctgtcagggt agcgtcaggc agttacaag tctgttggtg ttaaaaagta acagagcaaa      180
270 tgttcaaaag tgaaatttta tttatgggaa ttcagtgtat ccaacttgta tcacaccagt      240
272 taataaatgt gaagtcttca aaaa                                                                264
275 <210> SEQ ID NO: 14
276 <211> LENGTH: 192
277 <212> TYPE: DNA
278 <213> ORGANISM: Mus musculus
280 <400> SEQUENCE: 14
281 ccgggttgca cctattgcat gtacttttgg cctgactgga agaaacaaaa ttggtttact      60
283 ttcatactct tcaaaagtta cagaactgtg tcttaagaga attatttata gttactataa      120
285 ctgaattgac aaatgtcgac ttaactgata aattatattt ggtaaaataa aatggaagtt      180
287 tatttcgaaa aa                                                                192
290 <210> SEQ ID NO: 15
291 <211> LENGTH: 375
292 <212> TYPE: DNA
293 <213> ORGANISM: Mus musculus
295 <400> SEQUENCE: 15
296 ccgggttcaa ccgctggaag gtttcccagg cagctgcaga cttgaaacag ttctgtccgc      60
298 agaatgctca acatgaccct ctgctgactg gagtgtcttc aagtacgaat cccttcagac      120
300 cccagaaagt ctgctccttt ttgtagtcac ctatcttgag gtttctcaaa ccacttttca      180
302 tgaaccagtg aatattcaag agaactaaat ttgaagtctg tacaaaagct tctctttaac      240
304 acgtgccata atacactatc ttctgtctgt cagtccttaa catctacctc tctgaatttc      300
306 atggatttct gtctcacaag gtttaactat tttatataca ctggctgtag catacaataa      360
308 agcatcatat aaaaaa                                                                375
311 <210> SEQ ID NO: 16
312 <211> LENGTH: 397

```

RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:56

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

```

313 <212> TYPE: DNA
314 <213> ORGANISM: Mus musculus
317 <220> FEATURE:
318 <221> NAME/KEY: misc_feature
319 <222> LOCATION: (385)..(385)
320 <223> OTHER INFORMATION: N stands for A, C, G or T
322 <220> FEATURE:
323 <221> NAME/KEY: misc_feature
324 <222> LOCATION: (387)..(387)
325 <223> OTHER INFORMATION: N stands for A, C, G or T
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (391)..(391)
330 <223> OTHER INFORMATION: N stands for A, C, G or T
332 <400> SEQUENCE: 16
333 ccggggctgg tgaagtacat gaactcgggg cccgtggtgg ccatggtctg ggaggggctc      60
335 aatgttggtga aaacggggccg agtgatgctg ggggagacca atccagctga ttcaaaacca      120
337 ggaccatcc gtggggattt ctgcattcaa gtggcagga acatcattca tggcagtgat      180
339 tcagtggaga gtgctgagaa agagatccat ctgtggttta agccgaaga actgatcgac      240
341 tacaagtctt gtgccatga ctgggtgtac gagtagacat gaagaaacca gaatcctttt      300
343 cagcactact gatgggtttc tggacagagc tcttcatccc actgacagga tggatcatct      360
W--> 345 tttctaaaaac aataaaagact ttggnantga ntaaaaaa      397
348 <210> SEQ ID NO: 17
349 <211> LENGTH: 231
350 <212> TYPE: DNA
351 <213> ORGANISM: Mus musculus
353 <400> SEQUENCE: 17
354 ccgggcatgg tggcgacgk stttaatccc agcacttggg aggcaggcar agataggcgg      60
356 atttctgagt ttgaggccag cctggtctac agagtgaagt cgaggacaac cagggttaca      120
358 cagagaaacc ctgtctcgaa aaccaaatac aaaaaaaaaa gaactccagt taagacttct      180
360 aataccaaat tctcttgcaa gttatgaaaa taaagtatat aaamcgaaaa a          231
363 <210> SEQ ID NO: 18
364 <211> LENGTH: 317
365 <212> TYPE: DNA
366 <213> ORGANISM: Mus musculus
368 <400> SEQUENCE: 18
369 ccggaagtgt gtcagagtgc agacagacag tctctcagct ctgtactgtg agacagatgt      60
371 gctgtggagt gctgcttatg gggagaatgt gctgaaaaaa gcatgagcct tcctgccaag      120
373 gattgctgac aaactgctct tgattgtttc ttaaggaac tgctttctct ccctgactcc      180
375 tctgctcacc ctagccatac aattttccag tcagcaaac tcattactaa tcatgtaggg      240
377 aatggagctt aaagcagaca gagcaccttt tgatcacatt ttttttctct gcaataaatg      300
379 acaactccca acaaaaaa                                317
382 <210> SEQ ID NO: 19
383 <211> LENGTH: 232
384 <212> TYPE: DNA
385 <213> ORGANISM: Mus musculus
387 <400> SEQUENCE: 19
388 ccgggcgtgg tggcgacgk skttaatccc agcacttggg aggcaggcag agataggcgg      60
390 atttctgagt ttgaggccag cctggtctac agagtgaagt cgaggacaac cagggttaca      120

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/831,690B

DATE: 01/18/2006
TIME: 15:13:57

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt
Output Set: N:\CRF4\01182006\I831690B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 22,172 ✓
Seq#:7; N Pos. 220,228 ✓
Seq#:9; N Pos. 328 ✓
Seq#:10; N Pos. 84 ✓
Seq#:16; N Pos. 385,387,391 ✓
Seq#:22; N Pos. 72,110,179,231,267,272,284,305,330,357,364,375 ✓
Seq#:26; N Pos. 47,48 ✓
Seq#:28; N Pos. 16 ✓
Seq#:30; N Pos. 13,14,15,16 ✓
Seq#:76; Xaa Pos. 14 ✓

VERIFICATION SUMMARY

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:57

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:180
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:300
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:360
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60
M:341 Repeated in SeqNo=22
L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0